

ITW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of: **NAKAGAWA, Masao**

Group Art Unit: **2684**

Serial No.: **10/719,028**

Examiner: **MAUNG, Nay Aung**

Filed: **November 24, 2003**

P.T.O. Confirmation No.: 9157

For: **UWB REPEATER AND UWB COMMUNICATION SYSTEM**

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 8, 2006

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449 and the applicant's concise explanation of the relevance. One copy of each of these documents is attached.

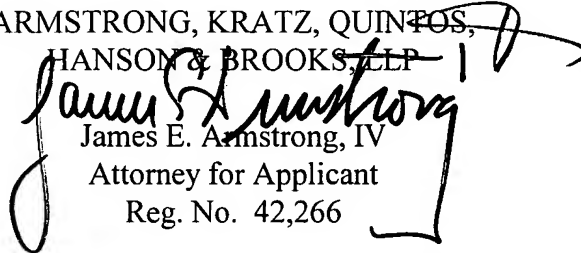
No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS,
HANSON & BROOKS, LLP


James E. Armstrong, IV
Attorney for Applicant
Reg. No. 42,266

JAM/rk
Atty. Docket No. **031290**
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930



23850

PATENT TRADEMARK OFFICE

Enclosures: PTO-1449;
Concise explanation of the relevance (1 sheet); and
4 References.



INFORMATION DISCLOSURE CITATION PTO-1449	Atty. Docket No. 031290	Serial No. 10/719,028
	Applicant(s): NAKAGAWA, Masao	
	Filing Date: November 24, 2003	Group Art Unit: 2684

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA					
_____	AB					
_____	AC					
_____	AD					
_____	AE					

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
_____ AF 60-235536	11/22/1985	Japan	Yes, Abstract only.
_____ AG 02/49378	06/20/2002	PCT	Yes.
_____ AH 04/077017	03/11/1992	Japan	Yes, Abstract only.
_____ AI 49/111502	10/24/1974	Japan	Prior application in US as US3,825,829.
_____ AJ			

OTHER DOCUMENTS

_____	AK	
_____	AL	
Examiner		Date Considered



The concise explanation of the relevance

A Japan Patent Office examiner commented as follows regarding the enclosed reference JP-A-S 60-235536 and WO 02/49378:

JP-A-S60-235536 discloses a delayed pulse resending equipment (a repeater) for transmitting pulse signals, which are received, at transmitting timing different from the receiving timing by a pulse unit.

WO 02/49378 discloses repeating in a UWB system (see Fig. 9 and corresponding description.)